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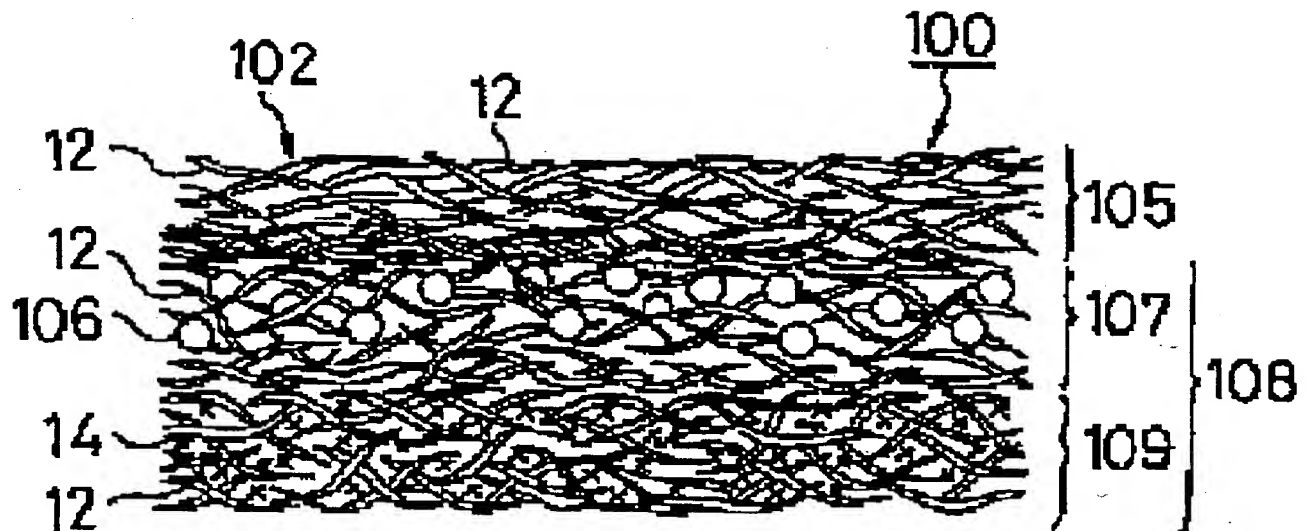
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TI : Absorbing sheet for sanitary napkin, medical pad, nappy etc. -  
comprises highly absorbing polymer, bulky cellulosic fibre and  
hydrophilic fine fibres.

AB : JP09156012 An absorbing sheet comprises at least a highly absorbing  
polymer, bulky cellulosic fibre and hydrophilic fine fibres and is  
composed of fibre aggregate and fibre web integrated with each other,  
where the fibre aggregate has an absorbing surface and does not contain  
the highly absorbing polymer on the side of the absorbing surface and  
comprises mainly bulky cellulosic fibre having a fibre roughness of at  
least 0.3 mg/m. The fibre web comprises a permeable layer comprising  
mainly bulky cellulosic fibre of a fibre roughness of at least 0.3  
mg/m. and a diffusion layer adjacent to the permeable layer comprising  
bulky cellulosic fibre of fibre roughness of at least 0.3 mg/m. and  
hydrophilic fine fibres and is adjacent to the fibre aggregate on the  
side of the permeable layer. The highly absorbing polymer is contained  
inside the absorbing sheet and is adhered to the fibres constituting  
the absorbing sheet.

- USE - Used for a sanitary napkin, disposable nappy, medical pad, drip  
sheet, absorbing sheet in kitchen, cleaning sheet, under sheet for bed,  
etc..
- ADVANTAGE - The highly absorbing polymer is securely fixed inside of  
the sheet, the highly absorbing polymer is slightly dropped out and the  
highly absorbing polymer less generates gel blocking. The sheet has  
three functions of permeation, diffusion and retention of liquid in one  
absorbing sheet.
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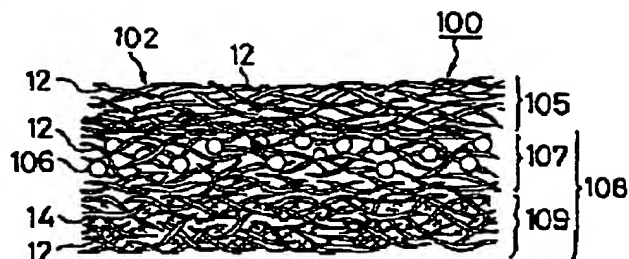
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TITLE : ABSORPTIVE SHEET, ITS MANUFACTURE AND ABSORPTIVE ARTICLE

ABSTRACT : PROBLEM TO BE SOLVED: To fix a highly absorptive polymer and improve the absorption performance by embedding the highly absorptive polymer in spaces formed among fibers in the state of the fibers constituting an absorptive sheet being wet.  
 SOLUTION: An absorptive sheet 100 is composed of fiber collective bodies 105 and fiber webs 108. The fiber collective bodies 105 are formed by bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more as a main component. On the other hand, fiber webs 108 are composed of heat permeable layers 107 composed of bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more as a main component and diffusion layers 109 adjoining the heat permeable layers 107 and containing the bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more and hydrophilic fine fibers 14. The fiber collective bodies 105 are integrated with the fiber webs 108. Also a highly absorptive polymer 106 is contained in an absorptive sheet 100 and bonded with the fibers constituting the absorptive sheet 100.



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